

**SCORE Search Results Details for Application 10529592 and Search Result 20090427\_122940\_us-10-529-592a-1.rnpbn.**

<a href="#">Score Home</a>	<a href="#">Retrieve Application</a>	<a href="#">SCORE System</a>	<a href="#">SCORE</a>	<a href="#">Comments /</a>
<a href="#">Page</a>	<a href="#">List</a>	<a href="#">Overview</a>	<a href="#">FAQ</a>	<a href="#">Suggestions</a>

This page gives you Search Results detail for the Application 10529592 and Search Result 20090427\_122940\_us-10-529-592a-1.rnpbn.

[Go Back to previous page](#)

GenCore version 6.3

Copyright (c) 1993 - 2009 Bioceleration Ltd.

OM nucleic - nucleic search, using sw model

Run on: April 28, 2009, 04:39:00 ; Search time 150 Seconds  
(without alignments)  
5087.550 Million cell updates/sec

Title: US-10-529-592A-1  
Perfect score: 881  
Sequence: 1 gggccatgacccccgctgct.....aaataaagatcctctgtaac 881

Scoring table: IDENTITY\_NUC  
Gapop 10.0 , Gapext 1.0

Searched: 1064368 seqs, 433105884 residues

Total number of hits satisfying chosen parameters: 2128736

Minimum DB seq length: 0  
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%  
Maximum Match 100%  
Listing first 45 summaries

Database : Published\_Applications\_NA\_New:\*  
1: /ABSS/Data/CRF/ptodata/1/pubpna/US09\_NEW\_PUB.seq:\*  
2: /ABSS/Data/CRF/ptodata/1/pubpna/US10\_NEW\_PUB.seq:\*  
3: /ABSS/Data/CRF/ptodata/1/pubpna/US11\_NEW\_PUB.seq:\*  
4: /ABSS/Data/CRF/ptodata/1/pubpna/US12\_NEW\_PUB.seq:\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

## SUMMARIES

%

Result	Query						Description
	No.	Score	Match	Length	DB	ID	
c	1	45.6	5.2	839	2	US-10-425-115-144491	Sequence 144491,
	2	44	5.0	975	4	US-12-169-527-2483	Sequence 2483, Ap
	3	43.8	5.0	363	2	US-10-425-115-139685	Sequence 139685,
	4	42.8	4.9	667	1	US-09-684-016-184927	Sequence 184927,
	5	42.6	4.8	1857	4	US-12-169-527-5220	Sequence 5220, Ap
	6	42.4	4.8	576	2	US-10-425-115-176269	Sequence 176269,
	7	42.2	4.8	1230	4	US-12-286-964-7163	Sequence 7163, Ap
c	8	41.8	4.7	932	4	US-12-169-527-5307	Sequence 5307, Ap
	9	41.4	4.7	1016	2	US-10-425-115-76543	Sequence 76543, A
c	10	41.4	4.7	9314	4	US-12-156-531-13	Sequence 13, Appl
	11	41.2	4.7	1399	4	US-12-064-797A-8050	Sequence 8050, Ap
c	12	40.8	4.6	672	4	US-12-286-964-15136	Sequence 15136, A
c	13	40.6	4.6	471	1	US-09-684-016-453428	Sequence 453428,
c	14	40.6	4.6	663	2	US-10-425-115-98904	Sequence 98904, A
	15	40.4	4.6	373	3	US-11-974-469A-4265	Sequence 4265, Ap
	16	40.4	4.6	445	1	US-09-684-016-455702	Sequence 455702,
	17	40.4	4.6	933	4	US-12-286-964-4279	Sequence 4279, Ap
	18	40.4	4.6	1340	2	US-10-425-115-17070	Sequence 17070, A
	19	40.4	4.6	1768	2	US-10-425-115-111649	Sequence 111649,
	20	40.2	4.6	428	1	US-09-684-016-172490	Sequence 172490,
	21	40.2	4.6	3000	4	US-12-286-964-21616	Sequence 21616, A
c	22	40	4.5	376	1	US-09-684-016-283041	Sequence 283041,
c	23	40	4.5	508	1	US-09-684-016-259492	Sequence 259492,
c	24	40	4.5	865	2	US-10-425-115-179331	Sequence 179331,
	25	40	4.5	889	1	US-09-684-016-263475	Sequence 263475,
c	26	40	4.5	1194	3	US-11-988-790-15	Sequence 15, Appl
c	27	39.8	4.5	521	1	US-09-684-016-186132	Sequence 186132,
	28	39.8	4.5	590	2	US-10-425-115-11173	Sequence 11173, A
	29	39.8	4.5	1694	3	US-11-980-276A-2536	Sequence 2536, Ap
	30	39.8	4.5	2486	2	US-10-425-115-131502	Sequence 131502,
c	31	39.6	4.5	358	1	US-09-684-016-334885	Sequence 334885,
	32	39.6	4.5	594	2	US-10-425-115-133507	Sequence 133507,
c	33	39.6	4.5	3324	3	US-11-911-617-161	Sequence 161, App
c	34	39.4	4.5	454	2	US-10-425-115-134112	Sequence 134112,
c	35	39.4	4.5	496	1	US-09-684-016-394236	Sequence 394236,
	36	39.2	4.4	451	1	US-09-684-016-184373	Sequence 184373,
	37	39.2	4.4	463	2	US-10-425-115-118884	Sequence 118884,
	38	39.2	4.4	1800	2	US-10-425-115-138850	Sequence 138850,
	39	39.2	4.4	2366	2	US-10-425-115-138853	Sequence 138853,
	40	39	4.4	374	1	US-09-684-016-460569	Sequence 460569,
	41	39	4.4	411	1	US-09-684-016-405405	Sequence 405405,
c	42	39	4.4	438	1	US-09-684-016-437981	Sequence 437981,
	43	39	4.4	1335	2	US-10-425-115-18329	Sequence 18329, A
	44	38.8	4.4	295	1	US-09-684-016-425293	Sequence 425293,
	45	38.8	4.4	345	2	US-10-425-115-137111	Sequence 137111,

## ALIGNMENTS

RESULT 1

US-10-425-115-144491/c  
; Sequence 144491, Application US/10425115  
; Publication No. US20090087878A9  
; GENERAL INFORMATION:  
; APPLICANT: La Rosa, Thomas J.  
; APPLICANT: Kovalic, David K.  
; APPLICANT: Zhou, Yihua  
; APPLICANT: Cao, Yongwei  
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With  
; TITLE OF INVENTION: Plants  
; FILE REFERENCE: 38-21(53222)B  
; CURRENT APPLICATION NUMBER: US/10/425,115  
; CURRENT FILING DATE: 2003-04-28  
; NUMBER OF SEQ ID NOS: 369326  
; SEQ ID NO 144491  
; LENGTH: 839  
; TYPE: DNA  
; ORGANISM: Zea mays  
; FEATURE:  
; OTHER INFORMATION: Clone ID: MRT4577\_6325C.1  
US-10-425-115-144491

Query Match 5.2%; Score 45.6; DB 2; Length 839;  
Best Local Similarity 50.5%; Pred. No. 0.044;  
Matches 111; Conservative 0; Mismatches 109; Indels 0; Gaps 0;

Qy 40 CCGCGGCCCCCGAGCCCGACCGCCGCGCCACCACCACCAGCGCCCGGGCGGGCCTCGC 99  
| ||| | ||| || | | || |||| | | | | |||  
Db 248 CGGCGACGCCCCGGAAGCTGCACGTGGCCGCGAGCCGCTGAGGCGGGTGCCGCCGGACTCCT 189

Qy 100 GCGCCTCGGGCGCGGCTCCGCGAGTGAGCCCACCAAGAAGGAAGCGGCCTGCAGAGGTGCC 159  
|| || | || | || || | |||| || | || | | |||| |  
Db 188 GCTCCAGCTGATGAGCCCACCAATGTCGTCGACAAGCAGATCCCTGCTCGGACAGGTGTC 129

Qy 160 GACATGGGGCTTAAGATGTCCTGCCTGAAAGGCTTTCAAATGTGTGTCAGCAGCAGCAGC 219  
| ||| | |||| | | | || | |||||  
Db 128 GTCATCACCATCCTCGGCGGTGGCCTGCACGACAGTCGCGCTGTGCGGTGGCAGCAGCAGG 69

Qy 220 AGCAGCCACGACGAGGCCCCCGTCCTGAACGACAAGCACC 259  
||| || ||||| | || | | ||| | |||  
Db 68 AGCTGCAACGACGACGGCCGCACCGTGACCTTGCTGGACC 29

RESULT 2

US-12-169-527-2483  
; Sequence 2483, Application US/12169527  
; Publication No. US20090049566A1  
; GENERAL INFORMATION  
; APPLICANT: Mendel Biotechnology, Inc.  
; APPLICANT:ZHANG, James  
; APPLICANT:HEMPEL, Frederick D  
; APPLICANT:ADAM, Luc

; APPLICANT:PALYS, Joseph M  
; TITLE OF INVENTION: IMPROVEMENT OF PLANT QUALITY WITH VARIOUS PROMOTERS  
; FILE REFERENCE: MBI-0070-2CIP  
; CURRENT APPLICATION NUMBER: US/12/169,527  
; CURRENT FILING DATE: 2008-07-08  
; NUMBER OF SEQ ID NOS: 10667  
; SOFTWARE: PatentIn version 3.5  
; SEQ ID NO 2483  
; LENGTH: 975  
; TYPE: DNA  
; ORGANISM: Zea mays  
; FEATURE:  
; OTHER INFORMATION: G4640,family:MYB-(R1)R2R3  
US-12-169-527-2483

Query Match 5.0%; Score 44; DB 4; Length 975;  
Best Local Similarity 47.9%; Pred. No. 0.11;  
Matches 158; Conservative 0; Mismatches 170; Indels 2; Gaps 1;

Qy	13	CCGCTGCTCTGTCTTGCAGGCTCGTCGCCGCGGCCCCCGAGCCCGACCGCCGCCGCCAC	72
Db	540	CCGCGGCATCGACCCGCAGACGCACCGCCCGCTCAGCGGCGGCGCGGGCAGCGCGCTCAC	599
Qy	73	CACCACCAGCGCCCGGGCGGGCCTCGCGCGCCTCGGGCGCGGCTCCGCAGTGAGCCCACC	132
Db	600	CACCACGTCCAGCACCGCCGGCTTCCCGTCCCCCGCGCCGGCGTCCAGGTCCAGGCCAC	659
Qy	133	AAGAAGGAAGCGGCCTGCAGAGGTGCCGACATGGGGCTTAAGATGTCCTGCCTGAAAGGC	192
Db	660	GCCCACGCCCCCGCC--CACCGTCGTCGTCCCGCCCAATGCGATCTTCGTGCGCCCGGCG	717
Qy	193	TTTCAAATGTGTGTCAGCAGCAGCAGCAGCAGCCACGACGAGGCCCCCGTCCTGAACGAC	252
Db	718	CCGTCGGAGGACGGCCACAGCAGCAGCGGCGCGAGCACGGACGCGCCGCGCTGCCCCGAC	777
Qy	253	AAGCACCTGGACGTGCCCAGCATCATCATCAGCCCCCACCCCCACGGGCATGATGCTG	312
Db	778	CTCAACCTGGACCTGGACCTGTCCGTGGGCCCCGCCCAAGACGCCGGCGGCCACGCAG	837
Qy	313	CCGAGGGACTTGGGGAGCACAGTCTGGCTG	342
Db	838	CAGCAGCGGCGGCGGACGACCATCTGCCTG	867

RESULT 3  
US-10-425-115-139685  
; Sequence 139685, Application US/10425115  
; Publication No. US20090087878A9  
; GENERAL INFORMATION:  
; APPLICANT: La Rosa, Thomas J.  
; APPLICANT: Kovalic, David K.  
; APPLICANT: Zhou, Yihua  
; APPLICANT: Cao, Yongwei

; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With  
; TITLE OF INVENTION: Plants  
; FILE REFERENCE: 38-21(53222)B  
; CURRENT APPLICATION NUMBER: US/10/425,115  
; CURRENT FILING DATE: 2003-04-28  
; NUMBER OF SEQ ID NOS: 369326  
; SEQ ID NO 139685  
; LENGTH: 363  
; TYPE: DNA  
; ORGANISM: Zea mays  
; FEATURE:  
; OTHER INFORMATION: Clone ID: MRT4577\_5887C.1  
US-10-425-115-139685

Query Match 5.0%; Score 43.8; DB 2; Length 363;  
Best Local Similarity 45.9%; Pred. No. 0.12;  
Matches 150; Conservative 0; Mismatches 177; Indels 0; Gaps 0;

Qy 10 CCCCCGCTGCTCTGTCTTGCAGGCTCGTCGCCGCGGCCCCCGAGCCCGACCGCCGCCGC 69  
|| || | | || | | || | | || || | | || || |  
Db 37 CTCCTCCTCCTCCTCCTCCCAGATCCGCCTCCCCGCCCCGCCCCAGATCCCCACGCA 96  
  
Qy 70 CACCACCACCAGCGCCCGGGCGGGCCTCGCGCGCCTCGGGCGCGGCTCCGCAGTGAGCCC 129  
| | | |||| || || | | || | || | | ||||  
Db 97 GGCGAGCGAACGCGCGCGCGCAGGCCAGATCCGCCCCGCCGCCCGCCGGAGCAGCCA 156  
  
Qy 130 ACCAAGAAGGAAGCGGCCTGCAGAGGTGCCGACATGGGGCTTAAGATGTCCTGCCTGAAA 189  
||| | | | |||| || | | | |||| | | || || | |  
Db 157 TCCATGGCGAAGGAGGCCGGCGGCGAGGGGGCCATGTGCGAGCCGGTGCTGCGCAAGGAG 216  
  
Qy 190 GGCTTTCAAATGTGTGTCAGCAGCAGCAGCAGCCACGACGAGGCCCCCGTCCTGAAC 249  
| | || | | | | || | | || | | || | || | ||  
Db 217 CTCGTCTCCTACTGCTACGTCGCGGAGTGATCTTCCTCTCCTTCACCGTCATCGTCTAC 276  
  
Qy 250 GACAAGCACCTGGACGTGCCCCGACATCATCATCACGCCCCCACCCCCACGGGCATGATG 309  
|||| || | || ||| | || || | || | || | || || ||  
Db 277 AACAAGTACATCCTCGACCCCAAGATGTACAAGTGGCCCTTCCCCATCTCGCTCACCATG 336  
  
Qy 310 CTGCCGAGGGACTTGGGGAGCACAGTC 336  
||| | || || | | || ||  
Db 337 GTGCACATGGCCTTCTGCTCCTCCCTC 363

RESULT 4  
US-09-684-016-184927  
; Sequence 184927, Application US/09684016  
; Publication No. US20090093620A1  
; GENERAL INFORMATION:  
; APPLICANT: Kovalic, David K.  
; APPLICANT: Liu, Jingdong  
; TITLE OF INVENTION: Annotated Plant Genes  
; FILE REFERENCE: 38-21(15097)D  
; CURRENT APPLICATION NUMBER: US/09/684,016

; CURRENT FILING DATE: 2000-10-10  
; PRIOR APPLICATION NUMBER: US 09/654,617  
; PRIOR FILING DATE: 2000-09-05  
; NUMBER OF SEQ ID NOS: 463173  
; SEQ ID NO 184927  
; LENGTH: 667  
; TYPE: DNA  
; ORGANISM: Arabidopsis thaliana columbia  
; FEATURE:  
; NAME/KEY: unsure  
; LOCATION: (1)..(667)  
; OTHER INFORMATION: unsure at all n locations  
US-09-684-016-184927

Query Match 4.9%; Score 42.8; DB 1; Length 667;  
Best Local Similarity 60.2%; Pred. No. 0.21;  
Matches 71; Conservative 0; Mismatches 47; Indels 0; Gaps 0;

Qy 3 GCCATGACCCCCGCTGCTCTGTCTTGCAGGCTCGTCGCCGCGGCCCCCGAGCCCGACCG 62  
||| ||| ||| || | | || ||| || | ||||| ||| ||  
Db 450 GCCCCCGCCACGCCGCACCCCCCGCCGCGCCGCGCGGCCCCCCCCCCCCACCCC 509  
  
Qy 63 CCGCCGCCACCACCACCAGCGCCCGGGCGGGCCTCGCGCGCCTCGGGCGCGGCTCCGC 120  
|| || || || || || || || | || ||| || | || | || |  
Db 510 CCTCCCCCCCCCCCCCCCCGCCCCCCCCCCCCCCCCCGCCCCCCCCCGCCCCCCCCCCC 567

RESULT 5  
US-12-169-527-5220  
; Sequence 5220, Application US/12169527  
; Publication No. US20090049566A1  
; GENERAL INFORMATION  
; APPLICANT: Mendel Biotechnology, Inc.  
; APPLICANT:ZHANG, James  
; APPLICANT:HEMPEL, Frederick D  
; APPLICANT:ADAM, Luc  
; APPLICANT:PALYS, Joseph M  
; TITLE OF INVENTION: IMPROVEMENT OF PLANT QUALITY WITH VARIOUS PROMOTERS  
; FILE REFERENCE: MBI-0070-2CIP  
; CURRENT APPLICATION NUMBER: US/12/169,527  
; CURRENT FILING DATE: 2008-07-08  
; NUMBER OF SEQ ID NOS: 10667  
; SOFTWARE: PatentIn version 3.5  
; SEQ ID NO 5220  
; LENGTH: 1857  
; TYPE: DNA  
; ORGANISM: Oryza sativa  
; FEATURE:  
; OTHER INFORMATION: Predicted polypeptide sequence is orthologous to G274  
US-12-169-527-5220

Query Match 4.8%; Score 42.6; DB 4; Length 1857;  
Best Local Similarity 47.5%; Pred. No. 0.25;

Matches	126;	Conservative	0;	Mismatches	139;	Indels	0;	Gaps	0;
Qy	39	GCCGCGGCCCCCGAGCCCGACCGCCGCCGCCACCACCAGCGCCCGGGCGGGCCTCG	98						
Db	357	GCACTGCCCCCGCCGGCCGAGCGGCGGCGGTGCCTCGTCCCGGCGCCGCGGGGCTACCG	416						
Qy	99	CGCGCCTCGGGCGCGGCTCCGCAGTGAGCCCACCAAGAAGGAAGCGGCCTGCAGAGGTGC	158						
Db	417	CGCGCCGCTCCGGTGGCCGCGGAGCCGCGACGCGGCGTGGTACGCGAACGCGCCGCACGA	476						
Qy	159	CGACATGGGGCTTAAGATGTCCTGCCTGAAAGGCTTTCAAATGTGTGTCAGCAGCAGCAG	218						
Db	477	GGAGCTGGTGACGGAGAAGGGCGTGCAGAACTGGATCAGGCGGGACGGCGACGTGCTCCG	536						
Qy	219	CAGCAGCCACGACGAGGCCCGCTCCTGAACGACAAGCACCTGGACGTGCCCCACATCAT	278						
Db	537	CTTCCCCGGCGGCGGGACCATGTTCCCGCACGGCGCCGACCGGTACATCGACGACATCGC	596						
Qy	279	CATCACGCCCCCCCACCCCCACGGGC	303						
Db	597	CGCGGCGGCCGGCATCACGCTGGGC	621						

RESULT 6  
US-10-425-115-176269  
; Sequence 176269, Application US/10425115  
; Publication No. US20090087878A9  
; GENERAL INFORMATION:  
; APPLICANT: La Rosa, Thomas J.  
; APPLICANT: Kovalic, David K.  
; APPLICANT: Zhou, Yihua  
; APPLICANT: Cao, Yongwei  
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With  
; TITLE OF INVENTION: Plants  
; FILE REFERENCE: 38-21(53222)B  
; CURRENT APPLICATION NUMBER: US/10/425,115  
; CURRENT FILING DATE: 2003-04-28  
; NUMBER OF SEQ ID NOS: 369326  
; SEQ ID NO 176269  
; LENGTH: 576  
; TYPE: DNA  
; ORGANISM: Zea mays  
; FEATURE:  
; NAME/KEY: unsure  
; LOCATION: (1)..(576)  
; OTHER INFORMATION: unsure at all n locations  
; FEATURE:  
; OTHER INFORMATION: Clone ID: MRT4577\_92350C.1  
US-10-425-115-176269

Query Match	4.8%;	Score	42.4;	DB	2;	Length	576;
Best Local Similarity	46.5%;	Pred. No.	0.27;				
Matches	133;	Conservative	0;	Mismatches	153;	Indels	0;
				Gaps			0;

Qy	32	GCTCGTCGCCGCGGCCCCCGAGCCCGACCGCCGCCACCACCACCAGCGCCCGGGCG	91
Db	189	GCTCGCTGCGCGGAGCCCCAACCTCAACCTGCCCTGCCGCTGCCGCCGTCCCGGGCG	248
Qy	92	GGCCTCGCGCGCCTCGGGCGCGGCTCCGCAGTGAGCCCACCAAGAAGGAAGCGGCCTGCA	151
Db	249	GGCCGCTGCGCCGTCGGCCGCCGGGTTGCCCCGCCGCGCGCGAGTCACCACCGCCGCG	308
Qy	152	GAGGTGCCGACATGGGGCTTAAGATGTCCTGCCTGAAAGGCTTTCAAATGTGTGTCAGCA	211
Db	309	CCAGATCTGAGGTGGCCTTTCGTTCTCGGACGACCTGGCCGGCGGCGTGCGGCGGCGCT	368
Qy	212	GCAGCAGCAGCAGCCACGACGAGGCCCCCGTCCTGAACGACAAGCACCTGGACGTGCCCG	271
Db	369	TCGACGAGATCGGCTCCGAGGACGACCTCTTCTCCACCTTCATGGACATGGACAAGATCG	428
Qy	272	ACATCATCATCACGCCCCCACCACCGGGCATGATGCTGCCGAG	317
Db	429	CCGGCGCCGACCGCGACCGTACCGNCGAGACCTCCTCGCCGNCGCG	474

RESULT 7  
US-12-286-964-7163  
; Sequence 7163, Application US/12286964  
; Publication No. US20090094717A1  
; GENERAL INFORMATION  
; APPLICANT: Maxim Troukhan  
; APPLICANT: Peter Mascia  
; TITLE OF INVENTION: NUCLEOTIDE SEQUENCES AND CORRESPONDING POLYPEPTIDES CONFERRING  
; TITLE OF INVENTION: MODULATED PLANT CHARACTERISTICS  
; FILE REFERENCE: 2750-1716PUS2  
; CURRENT APPLICATION NUMBER: US/12/286,964  
; CURRENT FILING DATE: 2008-12-01  
; PRIOR FILING DATE:  
; PRIOR APPLICATION NUMBER: 60/997,507  
; PRIOR FILING DATE: 2007-10-03  
; NUMBER OF SEQ ID NOS: 21783  
; SEQ ID NO 7163  
; LENGTH: 1230  
; TYPE: DNA  
; ORGANISM: Sorghum bicolor  
; FEATURE:  
; NAME/KEY: misc\_feature  
; OTHER INFORMATION: Ceres ANNOT ID no. 6074749  
; FEATURE:  
; NAME/KEY: misc\_feature  
; OTHER INFORMATION: Encodes the peptide sequence at SEQ ID NO 7164  
US-12-286-964-7163

Query Match 4.8%; Score 42.2; DB 4; Length 1230;  
Best Local Similarity 54.1%; Pred. No. 0.3;  
Matches 86; Conservative 0; Mismatches 73; Indels 0; Gaps 0;



Qy	2	GGCCATGACCCCCGCTGCTCTGTCTTGCAGGCTCGTCGCCCGGGCCCCCGAGCCCGACC	61
Db	156	GGCCCTGACCCCCGCCGCCGAGGCTGCCGCGCCACCGCCTCGGCGGCCGTCTCGCCGCC	215
Qy	62	GCCGCCGCCACCACCACCAGCGCCCGGGCGGGCCTCGCGCGCCTCGGGCGCGGCTCCGCA	121
Db	216	GGCTCCAGCTCCAGCGCCGGCGCCGGCGGAGGCCAACGGCACCTCCGACAGGAAGAGGAG	275
Qy	122	GTGAGCCCACCAAGAAGGAAGCGGCCTGCAGAGGTGCCG	160
Db	276	GAGGAAGGCGGAGGACGGGGACGGGTGCAAGACCTGCAG	314

RESULT 8  
US-12-169-527-5307/c  
; Sequence 5307, Application US/12169527  
; Publication No. US20090049566A1  
; GENERAL INFORMATION  
; APPLICANT: Mendel Biotechnology, Inc.  
; APPLICANT:ZHANG, James  
; APPLICANT:HEMPEL, Frederick D  
; APPLICANT:ADAM, Luc  
; APPLICANT:PALYS, Joseph M  
; TITLE OF INVENTION: IMPROVEMENT OF PLANT QUALITY WITH VARIOUS PROMOTERS  
; FILE REFERENCE: MBI-0070-2CIP  
; CURRENT APPLICATION NUMBER: US/12/169,527  
; CURRENT FILING DATE: 2008-07-08  
; NUMBER OF SEQ ID NOS: 10667  
; SOFTWARE: PatentIn version 3.5  
; SEQ ID NO 5307  
; LENGTH: 932  
; TYPE: DNA  
; ORGANISM: Oryza sativa  
; FEATURE:  
; OTHER INFORMATION: Predicted polypeptide sequence is orthologous to G354  
US-12-169-527-5307

Query Match 4.7%; Score 41.8; DB 4; Length 932;  
Best Local Similarity 46.7%; Pred. No. 0.38;  
Matches 133; Conservative 0; Mismatches 152; Indels 0; Gaps 0;

Qy	213	CAGCAGCAGCAGCCACGACGAGGCCCGTCCTGAACGACAAGCACCTGGACGTGCCCGA	272
Db	560	CGGCGGCGGCGGCGGCGGCCGCGGCCTTCTTCTTGCCGCCGTCGTCGTCGCTCTGCCCGA	501
Qy	273	CATCATCATCACGCCCCCACCCCCACGGGCATGATGCTGCCGAGGGACTTGGGGAGCAC	332
Db	500	CGACGCCGATGCCGAGGCCGAGGCTGAGGCCAAGCCCGAGGCCGTCCGCCATGACGGCGC	441
Qy	333	AGTCTGGCTGGATGAGACAGGGTCGTGCCCAGATGATGGAGAAATCGACCCAGAAGCCTG	392
Db	440	GGTGGCGCCGCATGTGCCCTCCGAGCGCCTGGCCGACGGCGAACTCGAGCCCGCAGATGG	381

Qy 393 AGGAGGTGTCCTGGGTTTGGCTGGCTGGCTCCTGCTCCAGCGGCCCGGCTTCAGGTGTCC 452  
|| | || | | ||| ||| || | ||| || | || |  
Db 380 AGCACCCGTGCACCTTGGGCTTGGCCGGCGCCTCGGCGGCCGGGTCGCCGTCCGCCAGGC 321

Qy 453 GGGGGCGTGGCTGCCTGGAGCAGGTGTGCTGAATACCCTGGATGG 497  
|||| || |||| | | | | ||||| ||  
Db 320 GGGGCTTCTTGTGGCTGGCCCGGTGGCCGCCGAGCGCCTGGAAGG 276

RESULT 9  
US-10-425-115-76543  
; Sequence 76543, Application US/10425115  
; Publication No. US20090087878A9  
; GENERAL INFORMATION:  
; APPLICANT: La Rosa, Thomas J.  
; APPLICANT: Kovalic, David K.  
; APPLICANT: Zhou, Yihua  
; APPLICANT: Cao, Yongwei  
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With  
; TITLE OF INVENTION: Plants  
; FILE REFERENCE: 38-21(53222)B  
; CURRENT APPLICATION NUMBER: US/10/425,115  
; CURRENT FILING DATE: 2003-04-28  
; NUMBER OF SEQ ID NOS: 369326  
; SEQ ID NO 76543  
; LENGTH: 1016  
; TYPE: DNA  
; ORGANISM: Zea mays  
; FEATURE:  
; OTHER INFORMATION: Clone ID: MRT4577\_169834C.1  
US-10-425-115-76543

Query Match 4.7%; Score 41.4; DB 2; Length 1016;  
Best Local Similarity 45.7%; Pred. No. 0.48;  
Matches 144; Conservative 0; Mismatches 171; Indels 0; Gaps 0;

Qy 34 TCGTCGCCGCGGCCCCCGAGCCCGACCGCCGCCGCCACCACCAGCGCCCGGGCGGG 93  
|| | || ||| | ||| | ||| ||| ||| ||| |||  
Db 137 TCCACCACCCTCTCCTCCGCCTTACCCCTCCTCTCCCGCCCCCTCCACCTCCCCGTGCCCC 196

Qy 94 CCTCGCGCGCCTCGGGCGCGGCTCCGCAGTGAGCCACCAAGAAGGAAGCGGCCTGCAGA 153  
| | ||| | | | || | | |||| || | | ||  
Db 197 GCCGCCTCGCTCCCGAGGTCTTCCACGCCGCGCCCCACATCCGCCGGGGCCGCCGCGCC 256

Qy 154 GGTGCCGACATGGGGCTTAAGATGTCCTGCCTGAAAGGCTTTCAAATGTGTGTCAGCAGC 213  
| |||| | | | | || || | | | | | |||  
Db 257 GTCGCCGTCGCGTGACCGCCACCGAGTCCCCAAGATCCTGGAGCTCGGGGACGCCATC 316

Qy 214 AGCAGCAGCAGCCACGACGAGGCCCCCGTCCTGAACGACAAGCACCTGGACGTGCCCGAC 273  
| | || | ||| ||||| | ||| |||| | | ||| || |||  
Db 317 GCCGGGCTCACGCTCGAGGAGGCCCGCAGCCTCGTCGACCACCTCCAGGAGCGGCTCGGC 376

Query Match 4.7%; Score 41.4; DB 4; Length 9314;  
Best Local Similarity 58.5%; Pred. No. 0.5;  
Matches 72; Conservative 0; Mismatches 51; Indels 0; Gaps 0;

Qy	11	CCCCGCTGCTCTGTCTTTGCAGGCTCGTCGCCGCGGCCCCCCCGAGCCCGACCGCCGCCGCC	70
Db	4497	CCGCGCCCCCTCCCCCGAGCCCTCCCCGCCCCGAGGCGGCCCGCCCCGCCCGGCACCCCC	4438
Qy	71	ACCACCACCAGCGCCCGGGCGGGCCTCGCGCGCCTCGGGCGCGGCTCCGCAGTGAGCCCA	130
Db	4437	ACCTGCCGCCACCCCCCGCCCGGCACGGCGAGCCCCGCGCCACGCCCCGTACGGAGCCCC	4378
Qy	131	CCA	133
Db	4377	GCA	4375

http://es/ScoreAccessWeb/GetItem.action?AppId=105295...122940 us-10-529-592a-1.rnpbn&ItemType=4&startByte=0 (11 of 16)5/19/2009 9:53:12 AM

; Sequence 8050, Application US/12064797A  
; Publication No. US20090081658A1  
; GENERAL INFORMATION  
; APPLICANT: BELOUCHI, Abdelmajid  
; APPLICANT:RAELSON, John Verner  
; APPLICANT:BARDLEY, Walter Edward  
; APPLICANT:PAQUIN, Bruno  
; APPLICANT:FOURNIER, Helene  
; APPLICANT:NGUYEN-HUU, Quynh  
; APPLICANT:CROTEAU, Pascal  
; APPLICANT:ALLARD, Rene  
; APPLICANT:DEBRUS, Sophie  
; APPLICANT:SERRE, Valerie  
; APPLICANT:VAN EERDEWEGH, Paul  
; APPLICANT:LITTLE, Randall David  
; APPLICANT:KEITH, Tim  
; APPLICANT:SEGAL, Jonathan  
; TITLE OF INVENTION: GeneMap of the human genes associated with Crohn's disease  
; FILE REFERENCE: 16540  
; CURRENT APPLICATION NUMBER: US/12/064,797A  
; CURRENT FILING DATE: 2008-10-06  
; PRIOR APPLICATION NUMBER: PCT/US06/33148  
; PRIOR FILING DATE: 2006-08-24  
; PRIOR APPLICATION NUMBER: 60/710,726  
; PRIOR FILING DATE: 2005-08-24  
; NUMBER OF SEQ ID NOS: 16984  
; SOFTWARE: PatentIn version 3.3  
; SEQ ID NO 8050  
; LENGTH: 1399  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
US-12-064-797A-8050

Query Match 4.7%; Score 41.2; DB 4; Length 1399;  
Best Local Similarity 49.3%; Pred. No. 0.54;  
Matches 135; Conservative 0; Mismatches 138; Indels 1; Gaps 1;

Qy 9 ACCCCCGCTGCTCTGTCTTGCAGGCTCGTCGCCGCGGCCCCCGAGCCCGACCGCCGCCG 68  
|| || | ||| | | | || | ||| || | ||| |||||  
Db 229 ACTGCCCAACTCGGGCGCCAACGCCACGGCCAACGGCACCGCCGCCCCCGCCGCCGCCG 288  
  
Qy 69 CCACCACCACCAGCGCCCGGGCGGGCCTCGCGCGCCTCGG-GCGCGGCTCCGCAGTGAGC 127  
|| || || ||| ||| || | | | | | || ||| | || | |||  
Db 289 CCGCCGCCGCCACCGCCTCGGGGAACGGCCCCCCTGGCGGCGCGCTCTACAGCTGGGAGA 348  
  
Qy 128 CCACCAAGAAGGAAGCGGCCTGCAGAGGTGCCGACATGGGGCTTAAGATGTCCTGCCTGA 187  
|| | | | || ||| | | ||| || | | ||| ||| |  
Db 349 CCGGCGACGACCGCTTCCTCTTCAGGAATTTCCACACCGGCATCTGGTACTCGTGCGAGG 408  
  
Qy 188 AAGGCTTTCAAATGTGTGTCAGCAGCAGCAGCAGCCACGACGAGGCCCCCGTCCTGA 247  
| | | | | || | | |||| | ||| ||||| | | |  
Db 409 AGGAGCTCAGCGGGCTTGGTGAAAAATGTCGCAGCTTCATTGACCTGGCCCCGGCATCGG 468

Qy 248 ACGACAAGCACCTGGACGTGCCCCGACATCATCAT 281  
| | | | | | | | | | | | | | | |  
Db 469 AGAAAGGCCTCCTGGGAATGGTCGCCACATGAT 502

RESULT 12

US-12-286-964-15136/c  
; Sequence 15136, Application US/12286964  
; Publication No. US20090094717A1  
; GENERAL INFORMATION  
; APPLICANT: Maxim Troukhan  
; APPLICANT: Peter Mascia  
; TITLE OF INVENTION: NUCLEOTIDE SEQUENCES AND CORRESPONDING POLYPEPTIDES CONFERRING  
; TITLE OF INVENTION: MODULATED PLANT CHARACTERISTICS  
; FILE REFERENCE: 2750-1716PUS2  
; CURRENT APPLICATION NUMBER: US/12/286,964  
; CURRENT FILING DATE: 2008-12-01  
; PRIOR FILING DATE:  
; PRIOR APPLICATION NUMBER: 60/997,507  
; PRIOR FILING DATE: 2007-10-03  
; NUMBER OF SEQ ID NOS: 21783  
; SEQ ID NO 15136  
; LENGTH: 672  
; TYPE: DNA  
; ORGANISM: Sorghum bicolor  
; FEATURE:  
; NAME/KEY: misc\_feature  
; OTHER INFORMATION: Ceres ANNOT ID no. 8635017  
; FEATURE:  
; NAME/KEY: misc\_feature  
; OTHER INFORMATION: Encodes the peptide sequence at SEQ ID NO 15137  
US-12-286-964-15136

Query Match 4.6%; Score 40.8; DB 4; Length 672;  
Best Local Similarity 55.7%; Pred. No. 0.67;  
Matches 78; Conservative 0; Mismatches 62; Indels 0; Gaps 0;

Qy 23 GTCTTGCAGGCTCGTCGCCGCGCCCCCGAGCCCGACCGCCGCCACCACCACCAGC 82  
| | | | | | | | | | | | | | | | | | | | | |  
Db 191 GTGTTCCAGTCCCTGCGCTTCTGCGACTCGTACCGGCTCGGCGACGCCAGCGCCGACACC 132

Qy 83 GCCCGGGCGGGCCTCGCGCGCCTCGGGCGCGGCTCCGCAGTGAGCCCACCAAGAAGGAAG 142  
| | | | | | | | | | | | | | | | | | | | | |  
Db 131 GCGCCCGCGGACGACGCCCCCGCGGCGACAGCGCCCCGGACACCGATCCCACGCCGCCG 72

Qy 143 CGGCCTGCAGAGGTGCCGAC 162  
| | | | | | | | | | | | | | | | | | | | | |  
Db 71 CCACCGCCACCGCCGCCGAC 52

RESULT 13

US-09-684-016-453428/c  
; Sequence 453428, Application US/09684016

; Publication No. US20090093620A1  
; GENERAL INFORMATION:  
; APPLICANT: Kovalic, David K.  
; APPLICANT: Liu, Jingdong  
; TITLE OF INVENTION: Annotated Plant Genes  
; FILE REFERENCE: 38-21(15097)D  
; CURRENT APPLICATION NUMBER: US/09/684,016  
; CURRENT FILING DATE: 2000-10-10  
; PRIOR APPLICATION NUMBER: US 09/654,617  
; PRIOR FILING DATE: 2000-09-05  
; NUMBER OF SEQ ID NOS: 463173  
; SEQ ID NO 453428  
; LENGTH: 471  
; TYPE: DNA  
; ORGANISM: Sorghum bicolor  
US-09-684-016-453428

Query Match 4.6%; Score 40.6; DB 1; Length 471;  
Best Local Similarity 57.5%; Pred. No. 0.74;  
Matches 73; Conservative 0; Mismatches 54; Indels 0; Gaps 0;

Qy 17 TGCTCTGTCTTGCAAGGCTCGTCGCCGCGGCCCCCGAGCCCGACCGCCGCCGCCACCACC 76  
| ||| | | | ||| || ||||| | | || ||| | | | | |||| |||||  
Db 344 TCCTCCGCCGTCTCGGCGCGCCGCCGCGCCGCGCCAGCTCTAGCCGCAGCGCCTCCACC 285  
  
Qy 77 ACCAGCGCCCGGGCGGGCCTCGCGCGCCTCGGGCGCGGCTCCGCAGTGAGCCCAACCAAGA 136  
|| || || | | | || |||| | || || | || || | | || |  
Db 284 TCCCGCTCCAGCTCCGCGTTCTCCGCCGCGAGGAGCTCCGCCTCATCATCCACTACAGCA 225  
  
Qy 137 AGGAAGC 143  
|| ||  
Db 224 CCGACGC 218

RESULT 14  
US-10-425-115-98904/c  
; Sequence 98904, Application US/10425115  
; Publication No. US20090087878A9  
; GENERAL INFORMATION:  
; APPLICANT: La Rosa, Thomas J.  
; APPLICANT: Kovalic, David K.  
; APPLICANT: Zhou, Yihua  
; APPLICANT: Cao, Yongwei  
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With  
; TITLE OF INVENTION: Plants  
; FILE REFERENCE: 38-21(53222)B  
; CURRENT APPLICATION NUMBER: US/10/425,115  
; CURRENT FILING DATE: 2003-04-28  
; NUMBER OF SEQ ID NOS: 369326  
; SEQ ID NO 98904  
; LENGTH: 663  
; TYPE: DNA  
; ORGANISM: Zea mays

Query Match 4.6%; Score 40.6; DB 2; Length 663;  
Best Local Similarity 57.5%; Pred. No. 0.75;  
Matches 73; Conservative 0; Mismatches 54; Indels 0; Gaps 0;

Qy	43	CGGCCCCCGAGCCCGACCGCCGCCGCCACCAACCAGCGCCCGGGCGGGCCTCGCGCG	102
Db	564	CGCCGCCGCGGCCGCGGCCGCCGCCTGCGCCTCCAGCGGCGAGAAGCCCCAGGCCTC	505
Qy	103	CCTCGGGCGCGGCTCCGCAGTGAGCCCACCAAGAAGGAAGCGGCCTGCAGAGGTGCCGAC	162
Db	504	CGTGGCCCGCGGCGCCGCCGGCAGCGCGGCCCAAGAACACGGACCCCGCGGCGTCGCCTTC	445
Qy	163	ATGGGGC	169
Db	444	CTCGCGC	438

US-11-974-469A-4265

```
; Sequence 4265, Application US/11974469A
; Publication No. US20090070898A1
; GENERAL INFORMATION
; APPLICANT: Allen, Edwards
; APPLICANT:Goldman, Barry S.
; APPLICANT:Guo, Liang
; APPLICANT:Heisel, Sara E.
; APPLICANT:Huang, Shihshieh
; APPLICANT:Ivashuta, Sergey I.
; APPLICANT:Kovalic, David K.
; APPLICANT:Krieger, Elysia K.
; APPLICANT:Roberts, James K.
; APPLICANT:Zhang, Yuanji I.
; TITLE OF INVENTION: Plant MicroRNAs and Methods of Use Thereof
; FILE REFERENCE: 38-21(54769)D
; CURRENT APPLICATION NUMBER: US/11/974,469A
; CURRENT FILING DATE: 2007-10-12
; PRIOR APPLICATION NUMBER: 60/851,187
; PRIOR FILING DATE: 2006-10-12
; PRIOR APPLICATION NUMBER: 60/908,826
; PRIOR FILING DATE: 2007-03-29
; PRIOR APPLICATION NUMBER: 60/969,195
; PRIOR FILING DATE: 2007-08-31
; NUMBER OF SEQ ID NOS: 8852
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 4265
; LENGTH: 373
; TYPE: RNA
; ORGANISM: Zea mays
US-11-974-469A-4265
```

Query Match 4.6%; Score 40.4; DB 3; Length 373;  
Best Local Similarity 62.2%; Pred. No. 0.83;  
Matches 61; Conservative 1; Mismatches 36; Indels 0; Gaps 0;

Qy 32 GCTCGTCGCCGCGGCCCCCGAGCCCGACCGCCGCCACCACCACCAGCGCCCGGGCG 91  
|| || | || | | || | | |||| |||| | || | || |||| | ||  
Db 198 GCGCGGAGGCGGGUGGCGGCGGGGCGGACCGACGCCGACGCCGCGCCGGCGCCGGCGCC 257

Qy 92 GGCCTCGCGCGCCTCGGGCGCGGCTCCGCAGTGAGCCC 129  
||| |||| | |||| | || |||| :| || |  
Db 258 GGCGCCGCGCCGCACGGGGAGAGCCCCGCACUGCGCAC 295

Search completed: April 28, 2009, 04:41:30  
Job time : 150 secs

SCORE 3.0